

In reply to Office Action dated: December 14, 2007

**REMARKS**

Claims 1 and 4-7 are pending in the application. Claims 1, 4, 6 and 7 have been amended and claims 2-3 have been canceled by way of the present amendment. Reconsideration is respectfully requested.

In the outstanding Office Action, priority under 35 U.S.C. Section 119(a)-(d) was acknowledged; Figure 1 was indicated to need a legend such as "Prior Art;" the Abstract of the specification was objected to; claims 1, 2, 6 and 7 were rejected under 35 U.S.C. Section 102(b) as being anticipated by U.S. Patent Number 5,369,376 (Leblebicioglu); and claims 3-5 were objected to as being dependent upon a rejected base claim but were indicated as allowable if amended to incorporate the limitations of the base claim and any intervening claims. Reconsideration is respectfully requested.

***Allowable Subject Matter***

First, Applicants wish to thank the Examiner for the early indication of allowable subject matter. In particular, claims 3-5 were objected to as being dependent upon a rejected base claim but were indicated as allowable if amended to incorporate the limitations of the base claim and any intervening claims. To that end, Applicant has cancelled claims 2 and 3; amended claim 4 to refer to claim 1; and amended claim 1 to include the limitations of both claim 2 and claim 3. That is, adding the limitation:

wherein the gain of said voltage controlled oscillator function VCO is modifiable using a programmable transconductance, and

wherein the programmable transconductance includes a fixed transconductance, a current multiplier, the output of said programmable transconductance being the output of a summation unit that sums a combination of at least one output of said multiplier"

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In addition, in paragraph 6 the outstanding Office Action states that claim 6 is rejected. Applicant had amended claim 6 to refer to claims 1, 4 or 5, these claims were amended according to examiner's suggestion, therefore claim 6 is now in condition for allowance. Further, while the outstanding Office Action indicated claim 7 as objected, applicant has also amended claim 7 to include the same restrictions as were added to claim 1. Therefore, in consideration of the above-discussed amendments, Applicant respectfully submit that the application is now in condition for allowance. Accordingly a notice of allowance for all remaining claims is respectfully requested.

### ***Drawing Objection***

Figure 1 was indicated to need a legend such as "Prior Art. In response to the objection, a Replacement Sheet for Figure 1 is filed herewith that includes the legend "Background Art." It is respectfully requested that the outstanding objection be withdrawn.

### ***Specification Objection***

The Abstract of the specification was objected to because it was not on a separate sheet. In response to the objection, an Abstract has been submitted herewith on a separate sheet. It is respectfully requested that the outstanding objection be withdrawn.

### ***35 U.S.C. Section 102 Rejection***

Claims 1, 2, 6 and 7 were rejected under 35 U.S.C. Section 102(b) as being anticipated by Lelebicioglu. However, in consideration of the above-discussed amendments, it is respectfully submitted that the outstanding rejection is moot and respectfully requested that the rejection be withdrawn.

### ***Conclusion***

In the event the Examiner believes an interview might serve in any way to advance the prosecution of this application, the undersigned is available at the telephone number noted below.

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Applicant believes no fee is due with this response. However, if a fee is due, please charge our Deposit Account No. 22-0185, under Order No. 27592-00020-US2 from which the undersigned is authorized to draw.

Dated: March 14, 2008

Respectfully submitted,

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